

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/892,613A
Source: OIPF
Date Processed by STIC: 3/13/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

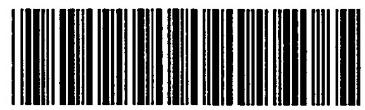
<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



Does Not Comply OIPE
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/892,613A

DATE: 03/13/2002
TIME: 11:53:34

Input Set : A:\09892613.ST25.txt
Output Set: N:\CRF3\03132002\I892613A.raw

3 <110> APPLICANT: Leung, Shawn Shui-on
5 <120> TITLE OF INVENTION: REDUCING IMMUNOGENICITIES OF IMMUNOGLOBULINS BY FRAMEWORK-PATCHING

7 <130> FILE REFERENCE: 655
9 <140> CURRENT APPLICATION NUMBER: US 09/892,613A
10 <141> CURRENT FILING DATE: 2001-06-27
12 <160> NUMBER OF SEQ ID NOS: 32
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 369
18 <212> TYPE: DNA
19 <213> ORGANISM: Full length cDNA sequence
21 <400> SEQUENCE: 1

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

22 gaagtgcagc tgctggagtc tgggggaggc tttagtgcacgc ctggagggtc cctgaggctc 60
24 tcctgtcagc cctctggatt ctccttcagt atctatgaca tgtcttggt tcgcaggca 120
26 ccgggaaagg ggctggagtg ggtcgcatac attagtagtg gtgggtgtac cacctactat 180
28 ccagacactg tgaaggccg attcaccatc tccagagaca atgccaagaa ctccctgtac 240
30 ctgcaaatga acagtctgag ggtggaggac acagccttat attactgtgc aagacatagt 300
32 ggctacggta gtatctacgg ggttttgttt gcttactggg gccaaaggac tctggtcact 360
34 gtctcttca 369

37 <210> SEQ ID NO: 2

38 <211> LENGTH: 123

39 <212> TYPE: PRT

40 <213> ORGANISM: Full length amino acid sequence

42 <400> SEQUENCE: 2

44 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
45 1 5 10 15
48 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ile Tyr
49 20 25 30
52 Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
53 35 40 45
56 Ala Tyr Ile Ser Ser Gly Gly Thr Thr Tyr Tyr Pro Asp Thr Val
57 50 55 60
60 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
61 65 70 75 80
64 Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Leu Tyr Tyr Cys
65 85 90 95
68 Ala Arg His Ser Gly Tyr Gly Ser Ser Tyr Gly Val Leu Phe Ala Tyr
69 100 105 110
72 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
73 115 120
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 111
78 <212> TYPE: DNA

*This belongs in
Sheet item 1C*

*invited response - See error summary
sheet item 1C - must be "artificial
sequence," "unknown," or scientific name
(genus/species)
only.*

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79 <213> ORGANISM: N-terminal sense strand template DNA sequence
81 <400> SEQUENCE: 3
82 cctggagggt ccctgaggct ctccgttgca gcctctggat ttcctttag tatctatgac      60
84 atgtttggg ttgcgcaggc accggaaag gggctggagt gggtcgcata c      111
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 57
89 <212> TYPE: DNA
90 <213> ORGANISM: 5' Primer for N-template
92 <400> SEQUENCE: 4
93 gaagtgcagc tgctggagtc tgggggaggc ttagtgcagc ctggagggtc cctgagg      57
96 <210> SEQ ID NO: 5
97 <211> LENGTH: 48
98 <212> TYPE: DNA
99 <213> ORGANISM: 3' Primer for N-template
101 <400> SEQUENCE: 5
102 gtaggtggta ccaccaccac tactaatgta tgcgaccac tccagccc      48
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 132
107 <212> TYPE: DNA
108 <213> ORGANISM: C-terminal sense strand template DNA sequence
110 <400> SEQUENCE: 6
111 ttcaccatct ccagagacaa tgccaagaac tccctgtacc tgcaaattaa cagtttgagg      60
113 gtggaggaca cagccattata ttactgtgca agacatagtg gctacggtag tagtacggg      120
115 gttttgtttt ct      132
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 60
120 <212> TYPE: DNA
121 <213> ORGANISM: 5' Primer for C-template
123 <400> SEQUENCE: 7
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127 <210> SEQ ID NO: 8
128 <211> LENGTH: 57
129 <212> TYPE: DNA
130 <213> ORGANISM: 3' Primer for C-template
132 <400> SEQUENCE: 8
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136 <210> SEQ ID NO: 9
137 <211> LENGTH: 321
138 <212> TYPE: DNA
139 <213> ORGANISM: Full length cDNA sequence
141 <400> SEQUENCE: 9
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144 attagttgca gggcaagtca gcacattagc aattatttaa actggtatca gcagaaacca      120
146 ggttaaggctc cgaaacctt gatctactac actagtatat tacactcagg agtccccatca      180
148 aggttcagtg gcagttggtc tggaaacagaa ttactctca ccattagctc cctgcagcca      240
150 gaagattttt ccacttactt ttgccaacag ggtataacgc ttccgtggac gttcggtgga      300
152 ggcaccaagg tggaaatcaa a      321
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 107

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Input Set : A:\09892613.ST25.txt
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157 <212> TYPE: PRT
158 <213> ORGANISM: Full length amino acid sequence
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162 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
163 1 5 10 15
166 Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
167 20 25 30
170 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
171 35 40 45
174 Tyr Tyr Thr Ser Ile Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
175 50 55 60
178 Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
179 65 70 75 80
182 Glu Asp Phe Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Trp
183 85 90 95
186 Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
187 100 105
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 108
192 <212> TYPE: DNA
193 <213> ORGANISM: N-terminal sense strand template DNA sequence
195 <400> SEQUENCE: 11
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198 aattatcaa actggtatca gcagaaacca gttaaggctc cgaaaactc 108
201 <210> SEQ ID NO: 12
202 <211> LENGTH: 51
203 <212> TYPE: DNA
204 <213> ORGANISM: 5' Primer for N template
206 <400> SEQUENCE: 12
207 gatatccaga tgaccaggc tccatcctcc ctgtctgcct ctgtgggaga c 51
210 <210> SEQ ID NO: 13
211 <211> LENGTH: 40
212 <212> TYPE: DNA
213 <213> ORGANISM: 3' Primer for N-template
215 <400> SEQUENCE: 13
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219 <210> SEQ ID NO: 14
220 <211> LENGTH: 120
221 <212> TYPE: DNA
222 <213> ORGANISM: C-terminal sense strand template DNA sequence
224 <400> SEQUENCE: 14
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227 cagccagaag atttgccac ttactttgc caacaggta atacgcttcc gtggacgttc 120
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 49
232 <212> TYPE: DNA
233 <213> ORGANISM: 5' Primer for C-template
235 <400> SEQUENCE: 15
236 ctacactagt atattacact caggagtccc atcaaggttc agtggcagt 49

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Input Set : A:\09892613.ST25.txt

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239 <210> SEQ ID NO: 16
 240 <211> LENGTH: 48
 241 <212> TYPE: DNA
 242 <213> ORGANISM: 3' Primer for C-template
 244 <400> SEQUENCE: 16

245 ttgatattcc accttgggtgc ctccaccgaa cgtccacggga agcgtatt 48
 248 <210> SEQ ID NO: 17
 249 <211> LENGTH: 371
 250 <212> TYPE: DNA
 251 <213> ORGANISM: Full length cDNA sequence
 253 <400> SEQUENCE: 17

254 caggtgcaac tggtgtggcttc cggggctgag gtaaataaagc ctggggcctc agtgaaggtc 60
 256 tcctgcaagg cttctggcta cacatttacc agttacaata tgcactgggt acggcagcct 120
 258 cctggaaagg gcctggaatg gattggagct atttatccag gaaatggtga tactagttac 180
 260 aatcagaaaat tcaaggggcaa ggccacatgg actgcagaca aatcctccag cacagcctac 240
 262 atgcagctca gcagttctgac atctgaggac tctgcggctt attactgtgc aagatcgcac 300
 264 tacggtagta actacgtaga ctactttgac tactggggcc aaggcacccac tgttacagtc 360
 266 tcctctgatc a 371

269 <210> SEQ ID NO: 18
 270 <211> LENGTH: 123
 271 <212> TYPE: PRT
 272 <213> ORGANISM: Full-length amino acid sequence
 274 <400> SEQUENCE: 18

276 Gln Val Gln Leu Val Ala Ser Gly Ala Glu Val Asn Lys Pro Gly Ala
 277 1 5 10 15
 280 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 281 20 25 30
 284 Asn Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu Glu Trp Ile
 285 35 40 45
 288 Gly Ala Ile Tyr Pro Gly Asn Gly Asp Thr Ser Tyr Asn Gln Lys Phe
 289 50 55 60
 292 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
 293 65 70 75 80
 296 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 297 85 90 95
 300 Ala Arg Ser His Tyr Gly Ser Asn Tyr Val Asp Tyr Phe Asp Tyr Trp
 301 100 105 110
 304 Gly Gln Gly Thr Thr Val Thr Val Ser Ser Asp
 305 115 120
 308 <210> SEQ ID NO: 19
 309 <211> LENGTH: 114
 310 <212> TYPE: DNA
 311 <213> ORGANISM: N-terminal sense strand template DNA sequence
 313 <400> SEQUENCE: 19

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 316 tacaatatgc actgggtacg gcagcctctt ggaaggggcc tggaatggat tgga 114
 319 <210> SEQ ID NO: 20
 320 <211> LENGTH: 57
 321 <212> TYPE: DNA

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322 <213> ORGANISM: 5' Primer for N-template		
324 <400> SEQUENCE: 20		
325 caggtgcaac tgggtggcttc cggggctgag gtaaataaagc ctggggcctc agtgaag	57	
328 <210> SEQ ID NO: 21		
329 <211> LENGTH: 55		
330 <212> TYPE: DNA		
331 <213> ORGANISM: 3' Primer for N-template		
333 <400> SEQUENCE: 21		
334 tgtaactagt atcaccattt cctggataaa tagctccaat ccattccagg cccct	55	
337 <210> SEQ ID NO: 22		
338 <211> LENGTH: 126		
339 <212> TYPE: DNA		
340 <213> ORGANISM: C-terminal sense strand template DNA sequence		
342 <400> SEQUENCE: 22		
343 ttgactgcag acaaattcctc cagcacagcc tacatgcagc tcagcagtct gacatctgag	60	
345 gactctgcgg tctattactg tgcaagatcg cactacggta gtaactacgt agactacttt	120	
347 gactac	126	
350 <210> SEQ ID NO: 23		
351 <211> LENGTH: 61		
352 <212> TYPE: DNA		
353 <213> ORGANISM: 5' Primer for C-template		
355 <400> SEQUENCE: 23		
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361 <210> SEQ ID NO: 24		
362 <211> LENGTH: 59		
363 <212> TYPE: DNA		
364 <213> ORGANISM: 3' Primer for C-template		
366 <400> SEQUENCE: 24		
367 tgatcagagg agactgtaac agtggtgctt tggccccagt agtcaaagta gtctacgta	59	
370 <210> SEQ ID NO: 25		
371 <211> LENGTH: 321		
372 <212> TYPE: DNA		
373 <213> ORGANISM: Full-length cDNA sequence		
375 <400> SEQUENCE: 25		
376 gatattcaac tcacacagtc tccatcaagt ctttctgcatttctggggcagagtcaca	60	
378 attacttgcggccagctcaagtttaagt ttcatgcact ggtaccagca gaagccagga	120	
380 tccctccccca aaccctggat ttatgccaca tccaaacctgg cttccggagt ccctagtcgc	180	
382 ttcatgtggca gtgggtctgg gaccgagttc actctcacaa tcagcagttt gcagcctgaa	240	
384 gatttcgcca cttatttctg ccatcagttt agtagtaacc cgctcacgtt cggtgctggg	300	
386 accaagctga ccgttctacg g	321	
389 <210> SEQ ID NO: 26		
390 <211> LENGTH: 107		
391 <212> TYPE: PRT		
392 <213> ORGANISM: Full-length amino acid sequence		
394 <400> SEQUENCE: 26		
396 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly		
397 1 5 10 15		
400 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Ser Leu Ser Phe Met		

VERIFICATION SUMMARY

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